

Part # STC-MCE132U3V 1/1.8" 1.3MP CMOS e2v Sensor USB 3.0 Digital Camera System

Recommended Image Settings

With respect to optimal settings, here's a series of screen caps showing what Zibra Corp found to be the best for use with small diameter fiberscopes.

Click Options->Settings...

📜 StCa	mSWare(x64)	[0:STC-MCE1	32U3V(15H	5046)] v3.08	
File(F)	Option(O)	apture(C)	Draw(D)	Window(W)	Help(H)

Following menu will appear... clink Advanced tab on lower right

StCamSWare(x64)[0:STC-	MCE132U3V(15H5046)]	-		×
Property 1 Property 2				
Gain: Shutter: Brightness Target: Manual White Balance R: Manual White Balance B:			9.17 dB 1/15.90[s] 128 2.66[341] 1.87[239]	Auto
Mirror Image:	OFF(Normal)	\sim		
OK Save(S).	. Load(L) R	eset(R	Advance	ed

You will now have the ability to adjust individual settings on each tab... only the first three (Gain / Shutter, White Balance and Y require settings adjustments).

💦 StCamSWa	are(x64)[0:STC	-MCE132	U3V(15H	5046)]		-		×
Gain/Shutter	WhiteBalanc	e Y	Color	Colo	r Gamma	Defec	t Pixel Cor	rec 💶
ALC Mode:	[Fixed Shu	utter / A	GC OF	F			\sim
Fixed Gain:				-	92		x2.88(9.	17 dB)
Fixed Shutte	r: 🔵 =				4	000	1/15	5.90[s]
		1/120	1/10	00	1/60	1/5	0	
	[1/30	1/2	5	RE	SET		
Target Bright	tness: =				128			
AGC Range:				_	0		0.0	DO dB
					127		11.	97 dB
Shutter Rang	je:					1	1/63616	0.07[s]
				_		0	1/15	5.90[s]
Digital Gain:					64			x1.00
OK	Save(S)		Load(L).		Reset	(R)	Simp	ble

Set Gain / Shutter settings to what is shown below...

The fixed gain slide bar can be adjusted to suit your individual part conditions.

Set White Balance settings to what is shown below.	Set \	White	Balance	settings	to	what	is	shown	below.
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StCamSWa Gain/Shutter										×
				Color	Color	Gamma	Der	ect Pixe	correc	-
White Baland	1	FullAu	to			\sim				
Color Gain R:								341	2.66	
Color Gain G	r:							341	2,00	
		-					- [128	1.00	
Color Gain Gl	b:									
Color Gain B:							- [128	1.00	
COIOR Gain B:			_					239	1.87	
								200	2107	

	Set Y	settings	to	what	is	shown	below.
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Gain/Shutter WhiteBa	alance Y	Color	Color Gamm	a Defect Pix	el Correc
Gamma Mode:	ON		~		
Gamma:				106	1.06
Sharpness Mode:	ON		~		
Sharpness Gain:	-			0	0.0
Sharpness Coring:	-			0	0
Digital Clamp:	-			0	1
Shading Correction:	OFF			~ 0	
	-				

You can choose to Save your adjusted settings as either a file that can be selected after clicking the Load button or as the initial camera settings when the software is launched.

Your camera system is now optimized for best performance with Zibra Corp scope products. Thank you for your usage of our products and please feel free to contact us with any questions.

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